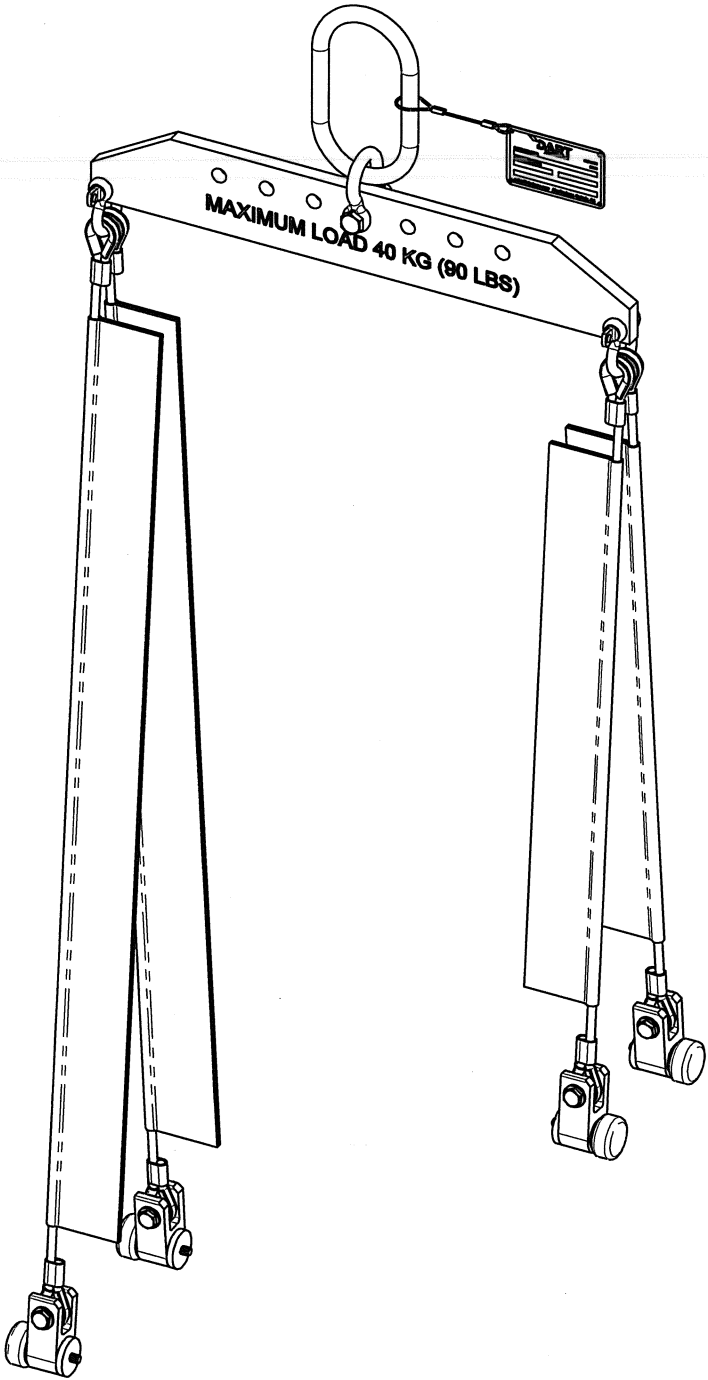
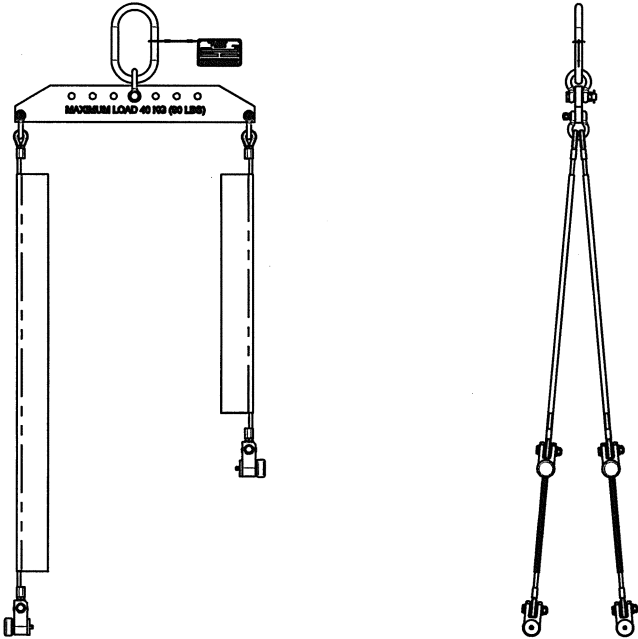


ITEM #	QTY	PART #	PART TITLE
-1	1	RBW7111G00131-8G-1	BASE PLATE
-2	4	RBW7111G00131-8G-2	CABLE END
-3	4	RBW7111G00131-8G-3	DISK
-4	4	RBW7111G00131-8G-4	KNOB
-5	2	RBW7111G00131-8G-5	LONG JACKET ASSEMBLY
-9	2	RBW7111G00131-8G-9	SHORT JACKET ASSEMBLY
13	1	RB41011	DART PLACARD
14	A/R	CARR-LANE#CL-2-C	NYLON COATED STEEL LANYARD 1/16" DIA.
15	2	McMaster#3550T34 OR EQUIV.	STEEL WIRE ROPE SLING 1/4" DIA. X 3' LG.
16	2	McMaster#3550T34 OR EQUIV.	STEEL WIRE ROPE SLING 1/4" DIA. X 2' LG.
17	1	McMaster#3568T42 OR EQUIV.	STEEL OBLING LINK 1/2" THK. X 5" LG. X 2-1/2" WD. X 4100 LBS. CAPACITY.
18	2	McMaster#3896T31 OR EQUIV.	ALUMINUM WIRE ROPE COMPRESSION SLEEVE 1/16" DIA. X 3/8" LG.
19	2	McMaster#8494T13 OR EQUIV.	STEEL SCREW PIN SHACKLE 3/8" PIN DIA. X 1500 LBS. CAPACITY.
20	1	McMaster#8494T28 OR EQUIV.	STEEL SAFETY PIN SHACKLE 3/8" THK. X 7/16" DIA.
21	4	McMaster#93298A125 OR EQUIV.	STEEL NYLON-INSERT FLANGE LOCKNUT 5/16"-24 X 11/32" HEIGHT.
22	8	McMaster#98023A030 OR EQUIV.	STEEL WASHER 0.344" ID X 0.688" OD.
23	4	AN5-15A	STEEL HEX HEAD SCREW 5/16"-24 X 1-23/32" LG. X 1-3/16" GRIP LG.



- NOTES:
- 1) MATERIAL: N/A
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) REMOVE ALL SHARP EDGES, BURRS, AND WELD SPATTERS IF APPLICABLE
 - 7) IDENTIFICATION: ENGRAVE THE SAFE WORKING LOAD 40 KG (90 LBS), TOOL P/N AND S/N, ON THE DART PLACARD WHERE INDICATED
 - 8) ASSEMBLE AS SHOWN
 - 9) INSTALL ITEM -3 HAND TIGHT
 - 10) APPLY RED THREADLOCKER LOCTITE 263/262 ON THREADS OF ITEM 19 THEN ASSEMBLE WITH ITEM 21 AND REMOVE EXCESS
 - 11) TORQUE ITEM 21 TO 15-20 FT-LBS (180-240 IN-LBS)
 - 12) ASSEMBLED LANYARD LENGTH MUST BE 3" +/- 1"
 - 13) SEWN ITEM -5 CENTER WITH ITEM 15
 - 14) SEWN ITEM -9 CENTER WITH ITEM 16

RBW7111G00131-8G FWD SLIDING COWLING LIFTING SLING TOOL

A	NEW ISSUE	19-537	KPT
REV.	DESCRIPTION	ECN #	BY
DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	MBB	TOOL PART #	REV. A
MFG. APPR.	DP	RBW7111G00131-8G	SHEET 1 OF 15
APPROVED	VH	TITLE	SCALE
		FWD SLIDING COWLING LIFTING SLING TOOL	NTS
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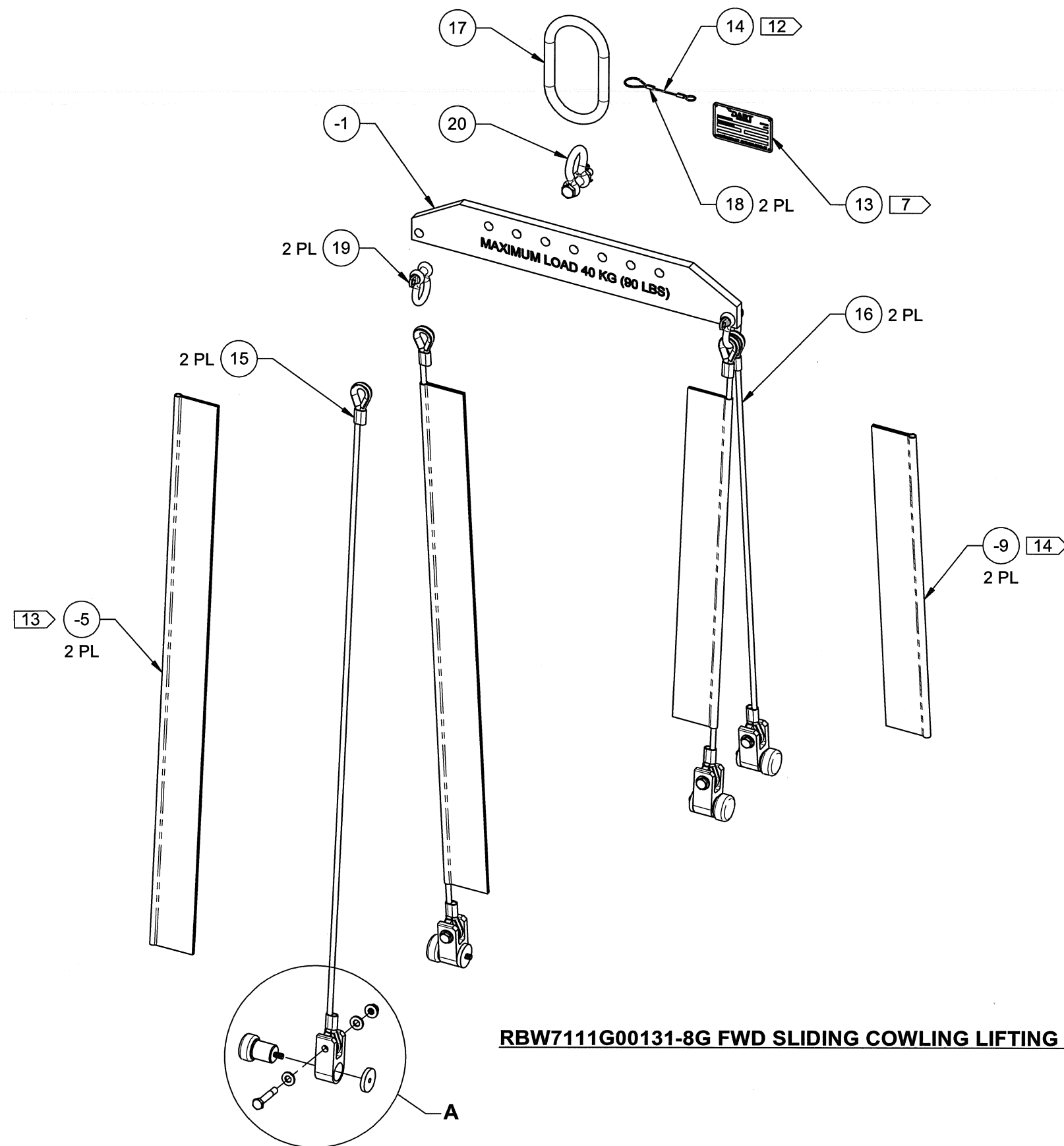
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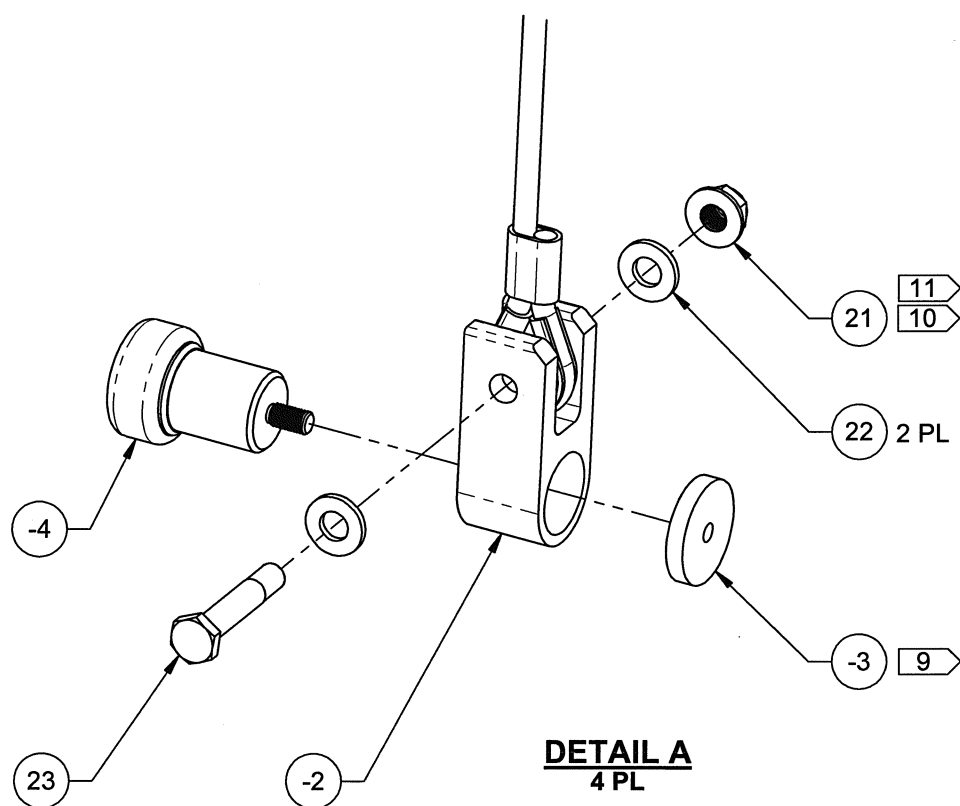
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A



RBW7111G00131-8G FWD SLIDING COWLING LIFTING SLING TOOL



DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	MBB	TOOL PART #	REV. A
MFG. APPR.	DP	RBW7111G00131-8G	SHEET 2 OF 15
APPROVED	VN	TITLE	SCALE
		FWD SLIDING COWLING LIFTING SLING TOOL	NTS
DATE 30/01/2019		COPYRIGHT © 2018 BY DART AEROSPACE LTD	
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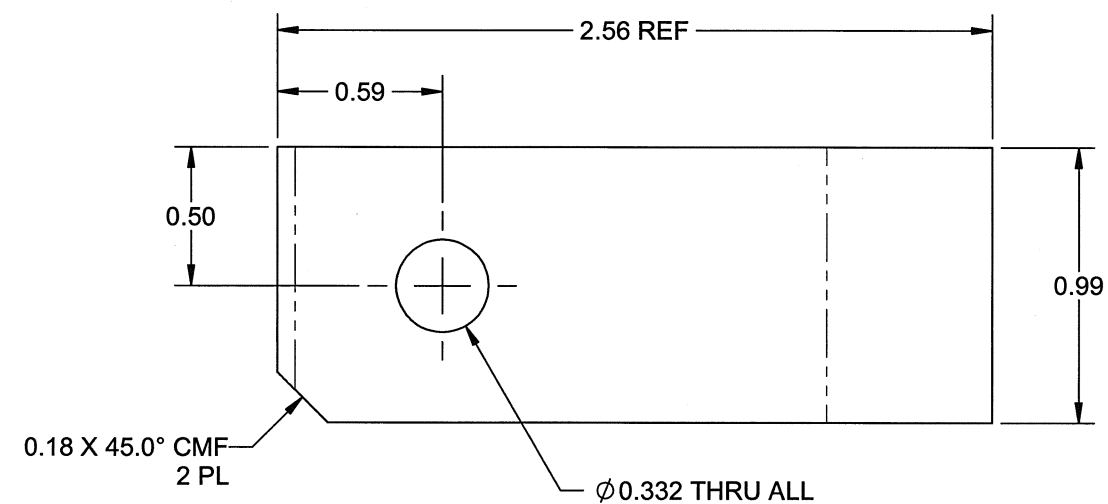
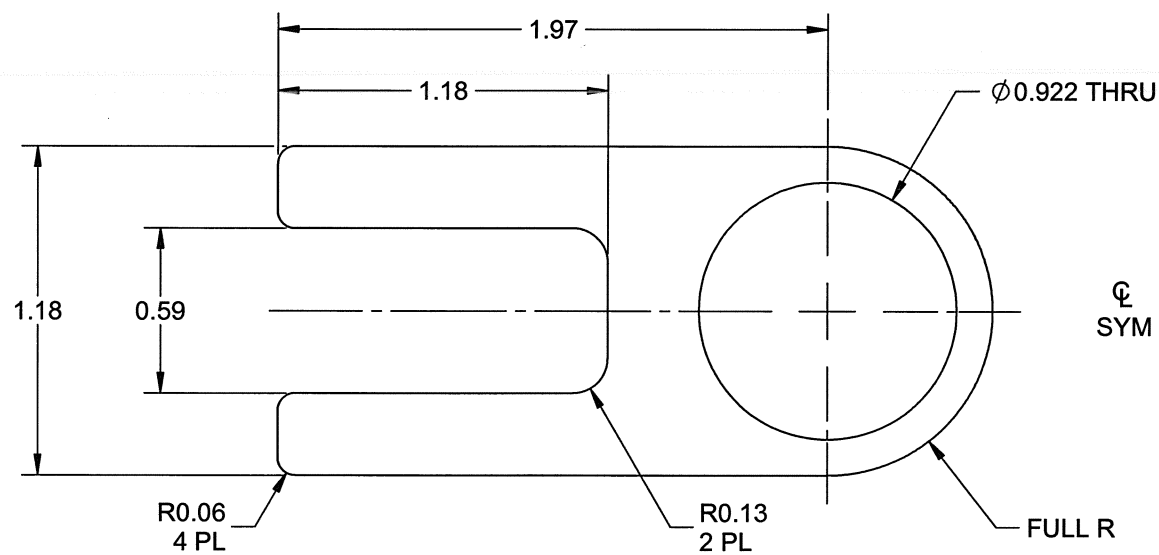
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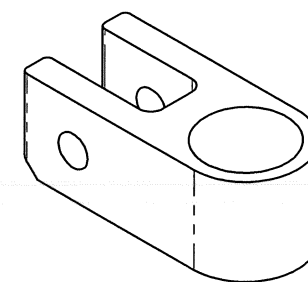
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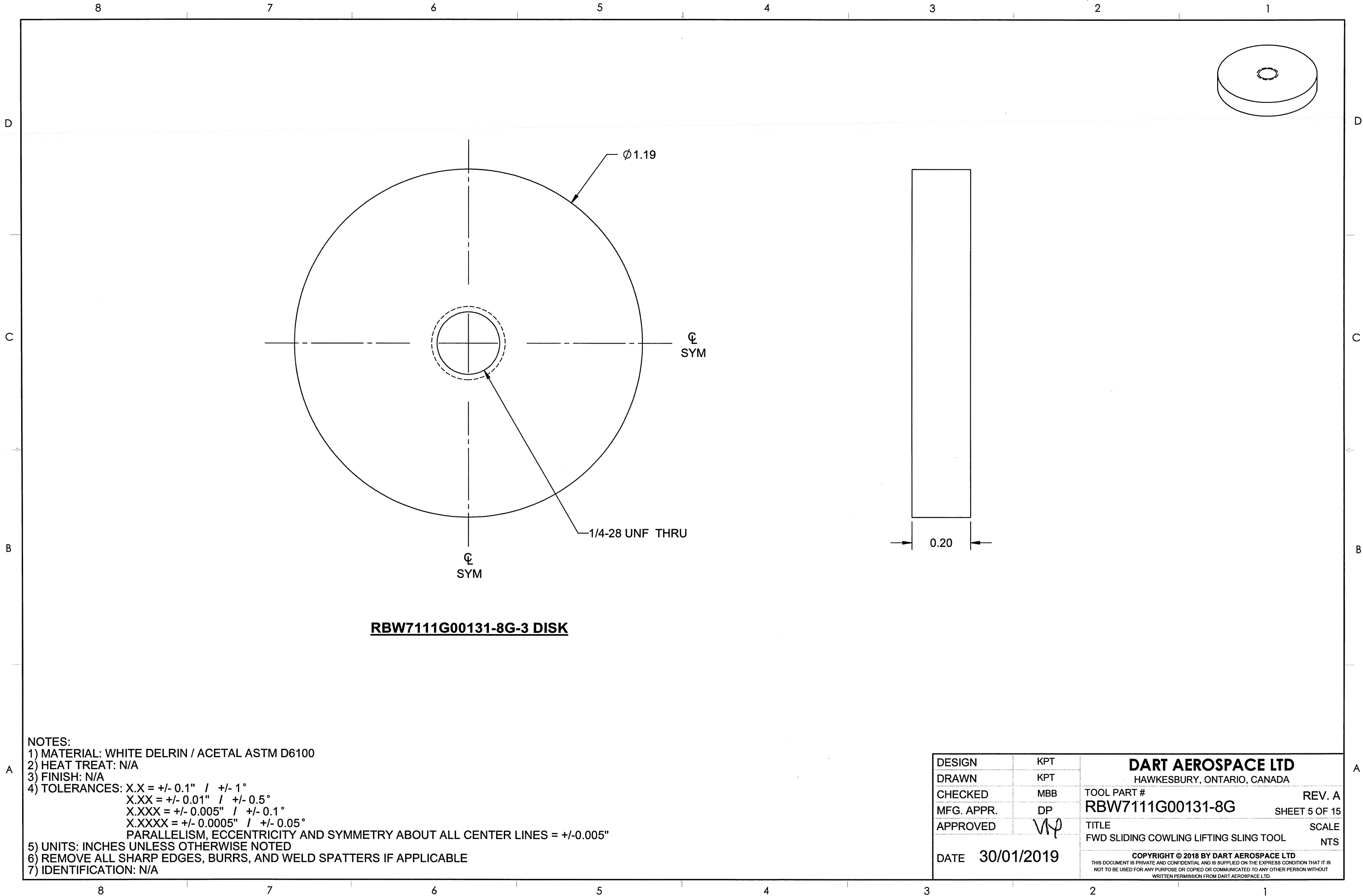
RBW7111G00131-8G-2 CABLE END

NOTES:

- 1) MATERIAL: 6061-T6
- 2) HEAT TREAT: N/A
- 3) FINISH: ANODIZE RED PER MIL-A-8625 TYPE 2 CLASS 2
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES, BURRS, AND WELD SPATTERS IF APPLICABLE
- 7) IDENTIFICATION: N/A

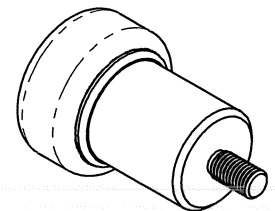
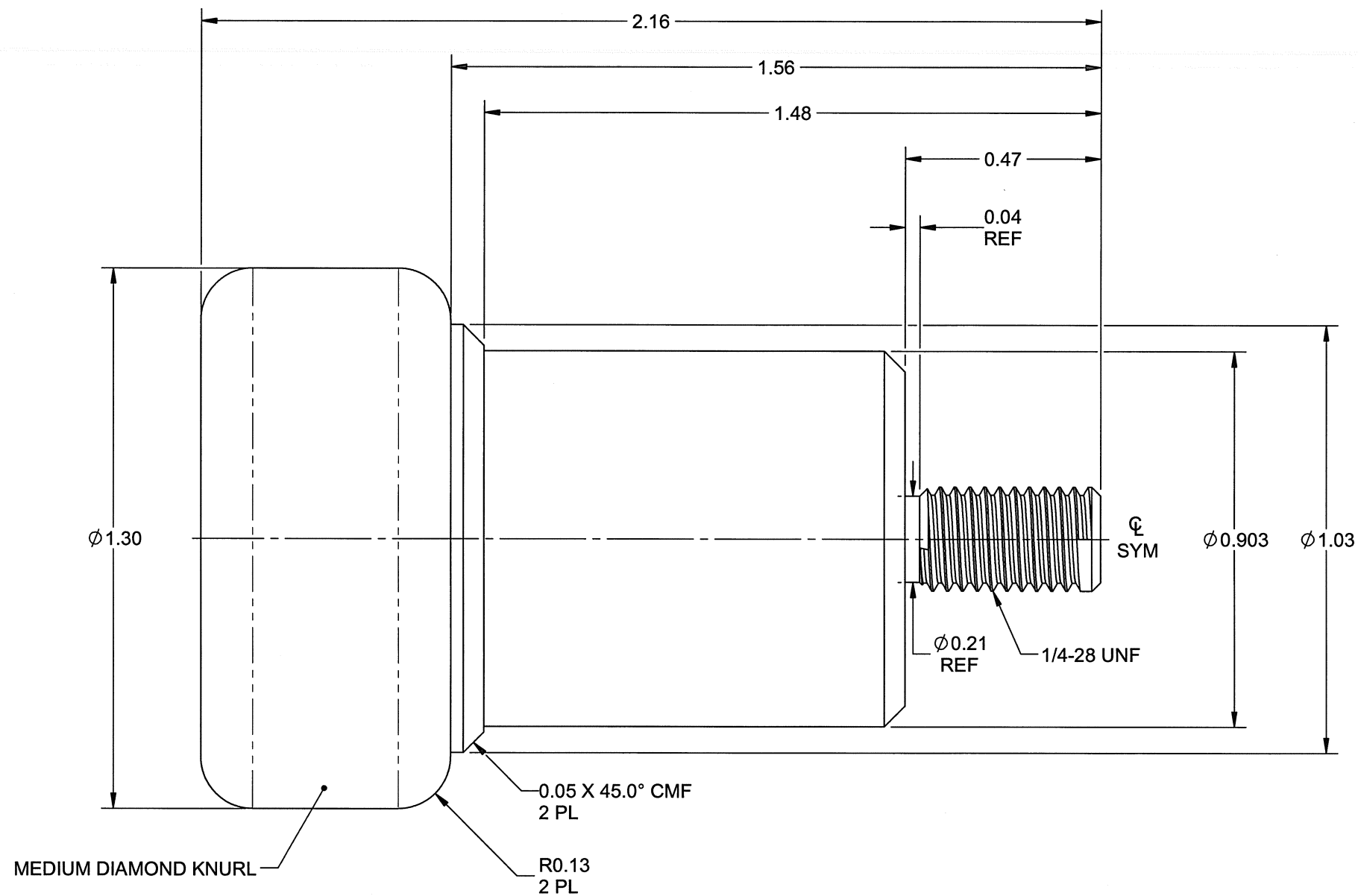


DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	MBB	TOOL PART #	REV. A
MFG. APPR.	DP	RBW7111G00131-8G	SHEET 4 OF 15
APPROVED	<i>WY</i>	TITLE	SCALE
DATE 30/01/2019		FWD SLIDING COWLING LIFTING SLING TOOL	NTS
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NOTES:
1) MATERIAL: WHITE DELRIN / ACETAL ASTM D6100
2) HEAT TREAT: N/A
3) FINISH: N/A
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) REMOVE ALL SHARP EDGES, BURRS, AND WELD SPATTERS IF APPLICABLE
7) IDENTIFICATION: N/A

DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	MBB	TOOL PART #	REV. A
MFG. APPR.	DP	RBW7111G00131-8G	SHEET 5 OF 15
APPROVED	VVP	TITLE	SCALE
DATE 30/01/2019		FWD SLIDING COWLING LIFTING SLING TOOL	NTS
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RBW7111G00131-8G-4 KNOB

NOTES:

1) MATERIAL: 303/304/316 STAINLESS STEEL

2) HEAT TREAT: N/A

3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"

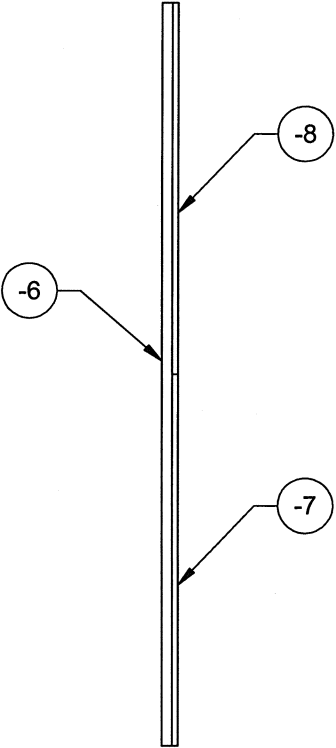
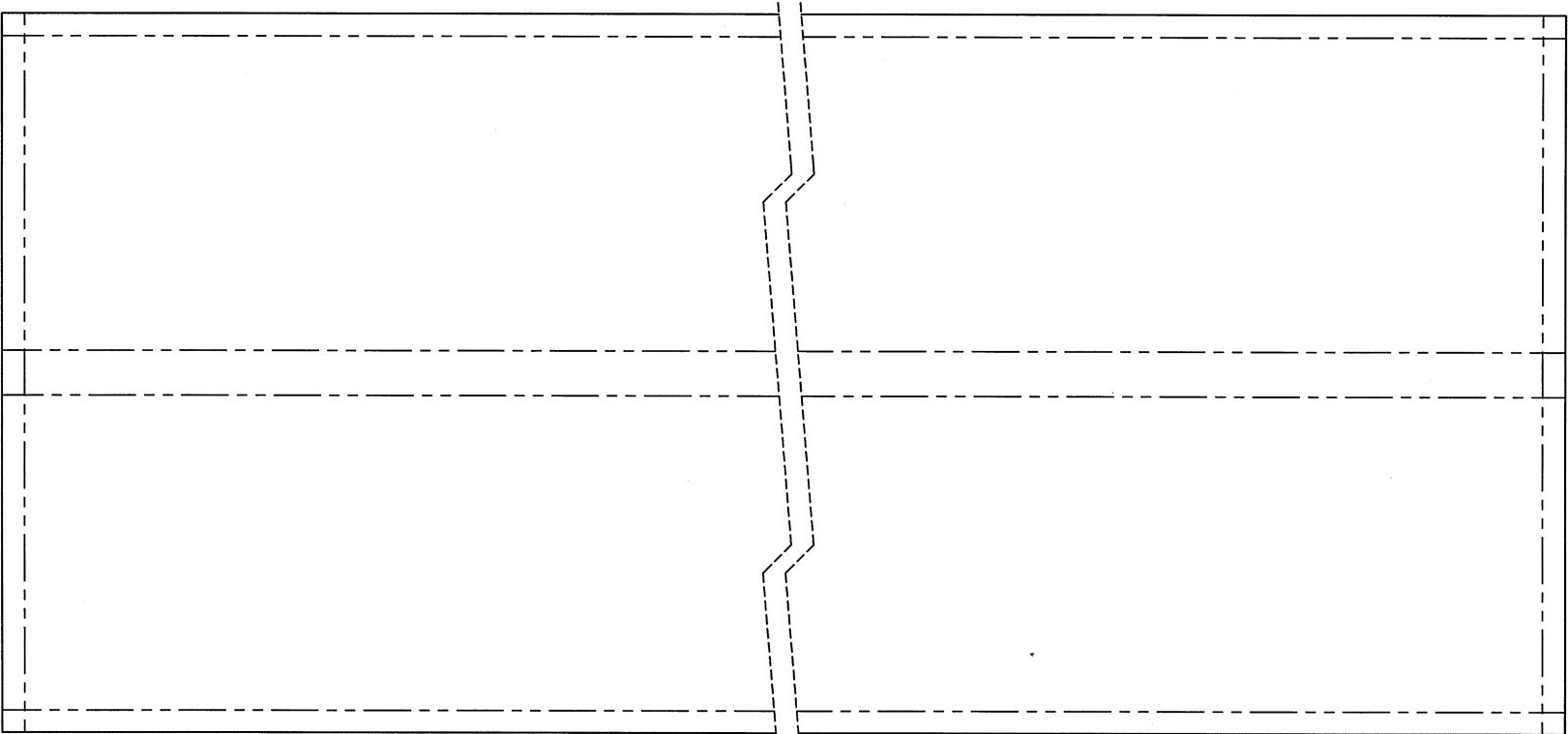
5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) REMOVE ALL SHARP EDGES, BURRS, AND WELD SPATTERS IF APPLICABLE

7) IDENTIFICATION: N/A

DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	MBB	TOOL PART #	REV. A
MFG. APPR.	DP	RBW7111G00131-8G	SHEET 6 OF 15
APPROVED	<i>VIP</i>	TITLE	SCALE
DATE 30/01/2019		FWD SLIDING COWLING LIFTING SLING TOOL	NTS
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ITEM #	QTY	PART #	PART TITLE
-6	1	RBW7111G00131-8G-6	LONG JACKET
-7	1	RBW7111G00131-8G-7	LONG FASTENER LOOP
-8	1	RBW7111G00131-8G-8	LONG FASTENER HOOK




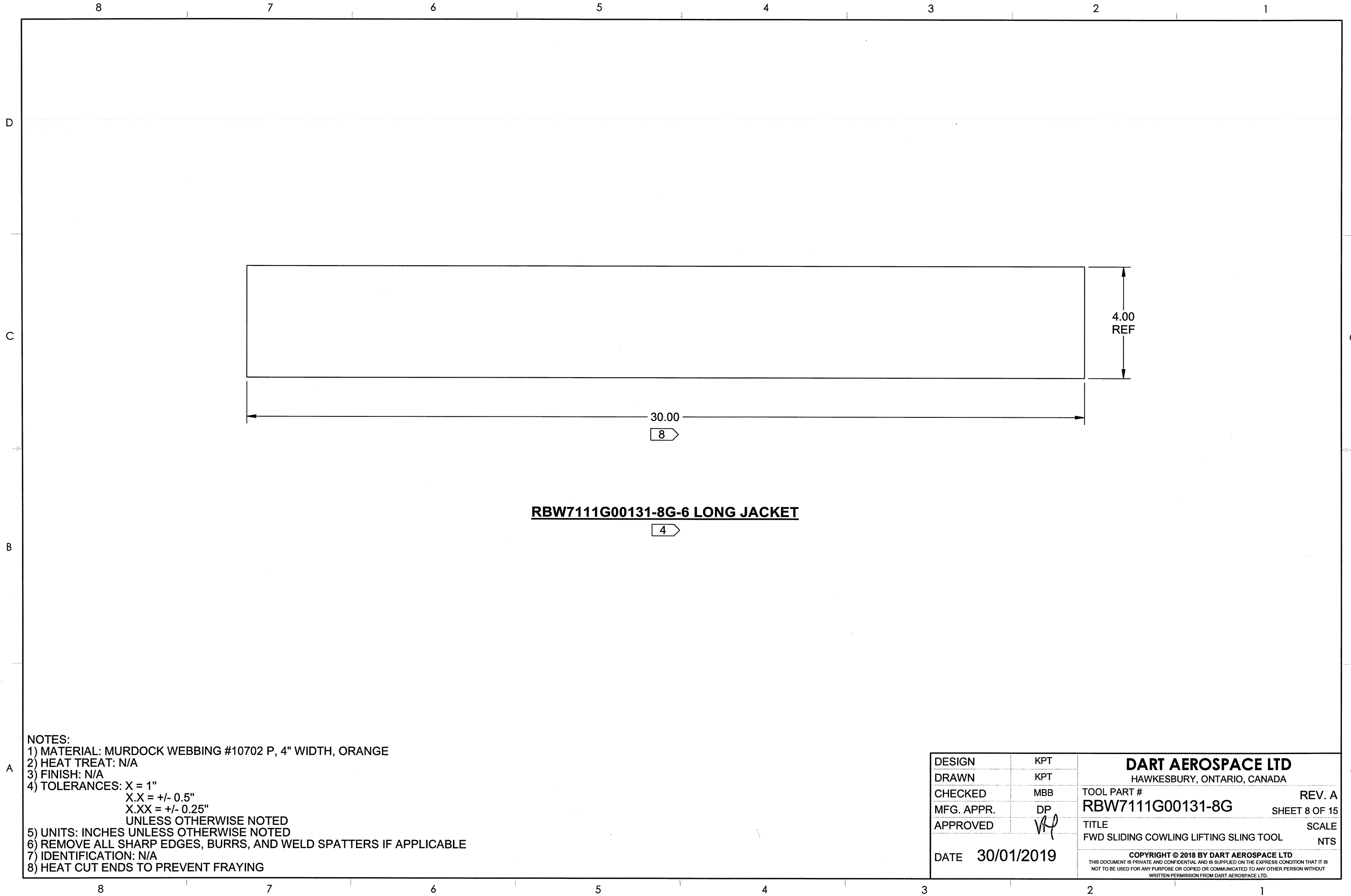
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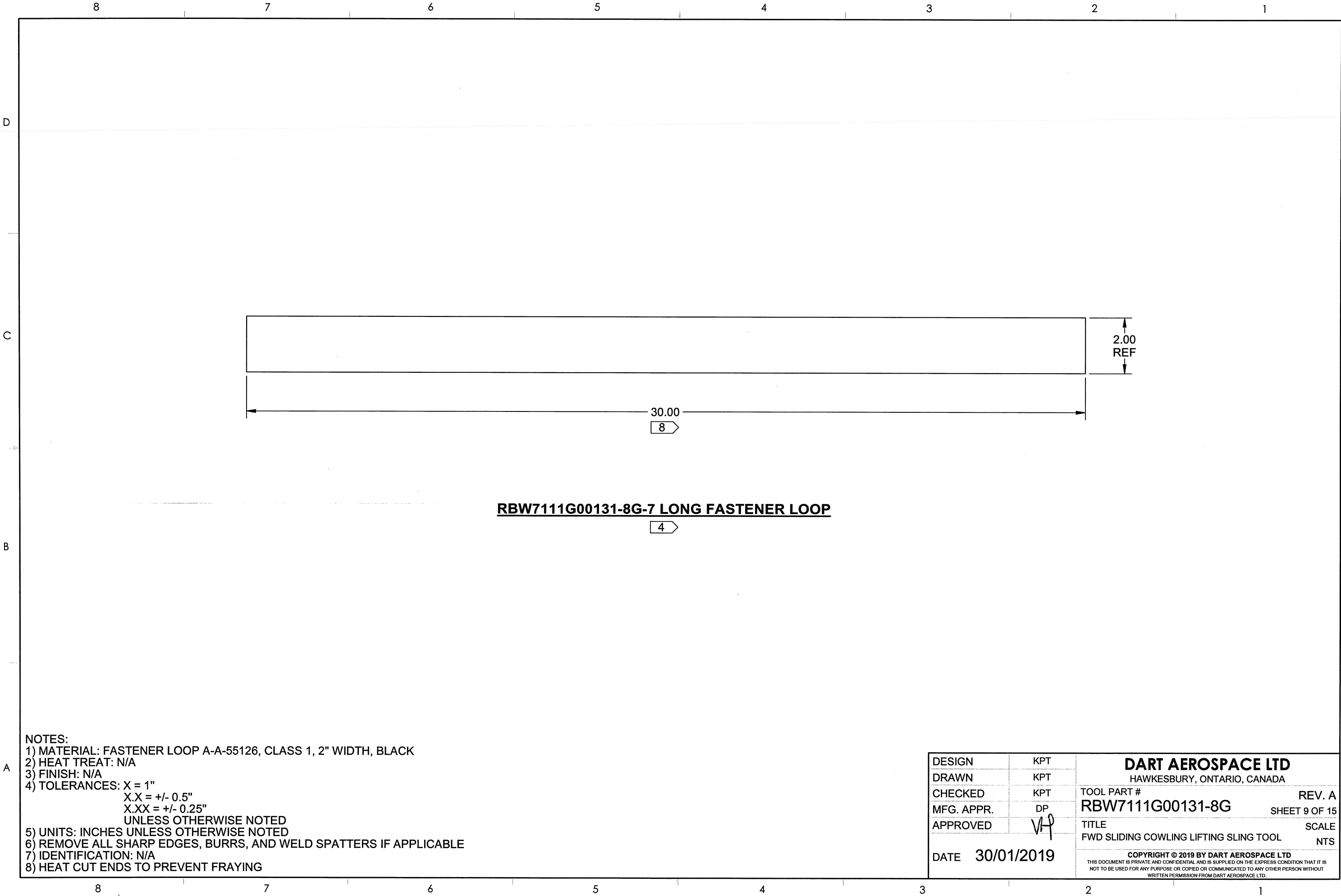
RBW7111G00131-8G-5 LONG JACKET ASSEMBLY

4 8 9 10 11

- NOTES:
- 1) MATERIAL: N/A
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X = +/- 1"
X.X = +/- 0.5"
X.XX = +/- 0.25"
UNLESS OTHERWISE NOTED
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) REMOVE ALL SHARP EDGES, BURRS, AND WELD SPATTERS IF APPLICABLE
 - 7) IDENTIFICATION: N/A
 - 8) SEW ITEMS TOGETHER AS SHOWN
 - 9) STITCHING TO BE IAW ASTM D6193, TYPE 301, 6-10 STITCHES PER INCH, MINIMUM (1/2IN) BACKSTITCH, (1/2IN) SEAM ALLOWANCE, (1/2IN) TURNBACKS WHERE SHOWN, (1/8IN) FROM EDGE, ADDITIONAL ROWS OF SEWING ARE ACCEPTABLE TO ASSIST IN ASSEMBLY
 - 10) PHANTOM LINES REPRESENT STITCHING
 - 11) FASTENER LOOP/HOOK MUST BE ALIGNED WITH END OF JACKET BEFORE SEWING

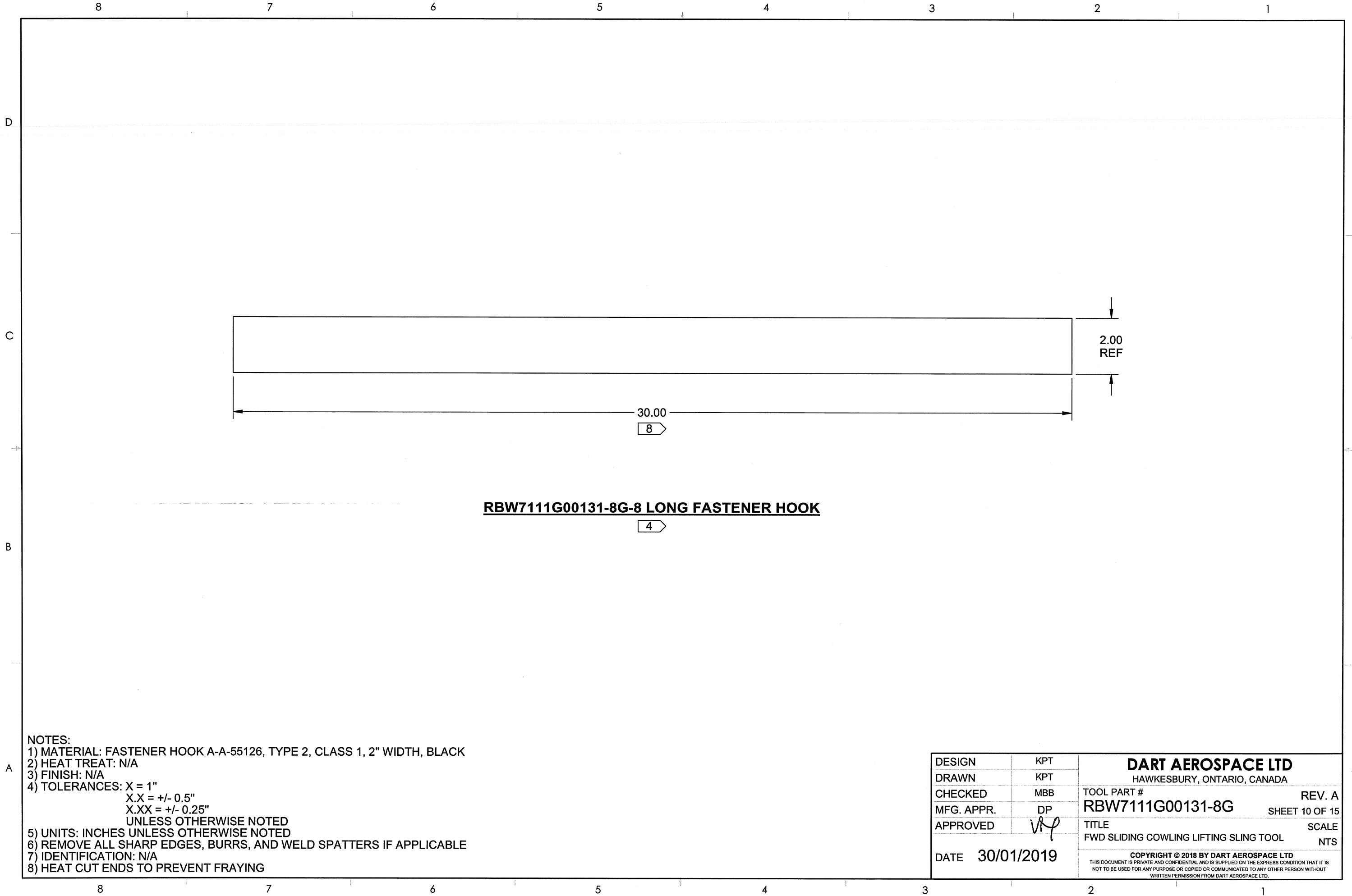
DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	MBB	TOOL PART #	REV. A
MFG. APPR.	DP	RBW7111G00131-8G	SHEET 7 OF 15
APPROVED		TITLE	SCALE
DATE 30/01/2019		FWD SLIDING COWLING LIFTING SLING TOOL	NTS
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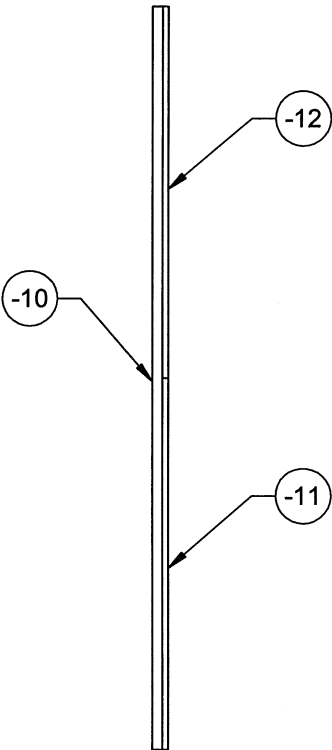
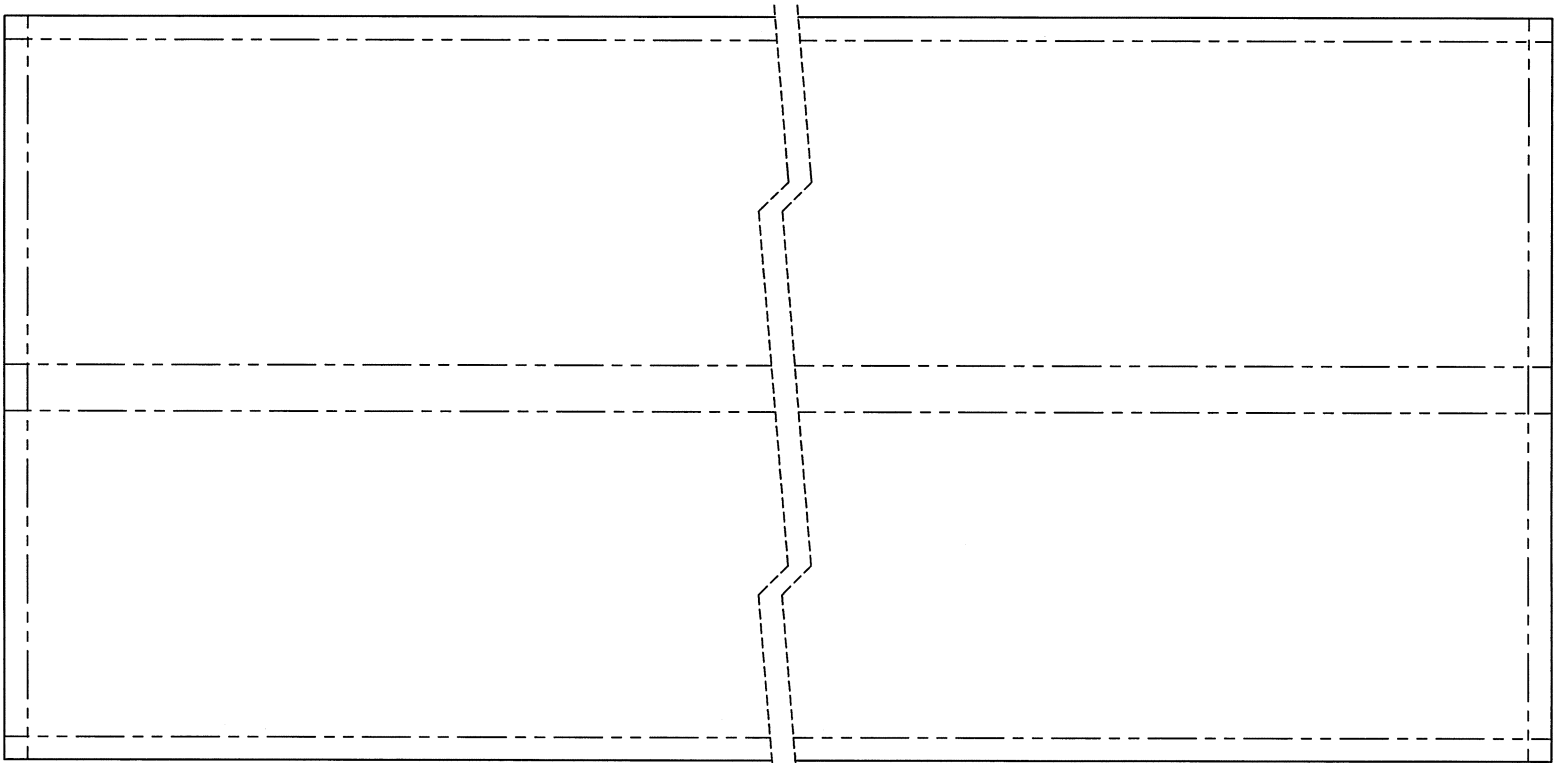


NOTES:
1) MATERIAL: FASTENER LOOP A-A-55126, CLASS 1, 2" WIDTH, BLACK
2) HEAT TREAT: N/A
3) FINISH: N/A
4) TOLERANCES: X = 1"
 X.X = +/- 0.5"
 X.XX = +/- 0.25"
 UNLESS OTHERWISE NOTED
5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) REMOVE ALL SHARP EDGES, BURRS, AND WELD SPATTERS IF APPLICABLE
7) IDENTIFICATION: N/A
8) HEAT CUT ENDS TO PREVENT FRAYING

DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	KPT	TOOL PART #	REV. A
MFG. APPR.	DP	RBW7111G00131-8G	SHEET 9 OF 15
APPROVED	VHP	TITLE	SCALE
DATE		FWD SLIDING COWLING LIFTING SLING TOOL	NTS
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ITEM #	QTY	PART #	PART TITLE
-10	1	RBW7111G00131-8G-10	SHORT JACKET
-11	1	RBW7111G00131-8G-11	SHORT FASTENER LOOP
-12	1	RBW7111G00131-8G-12	SHORT FASTENER HOOK

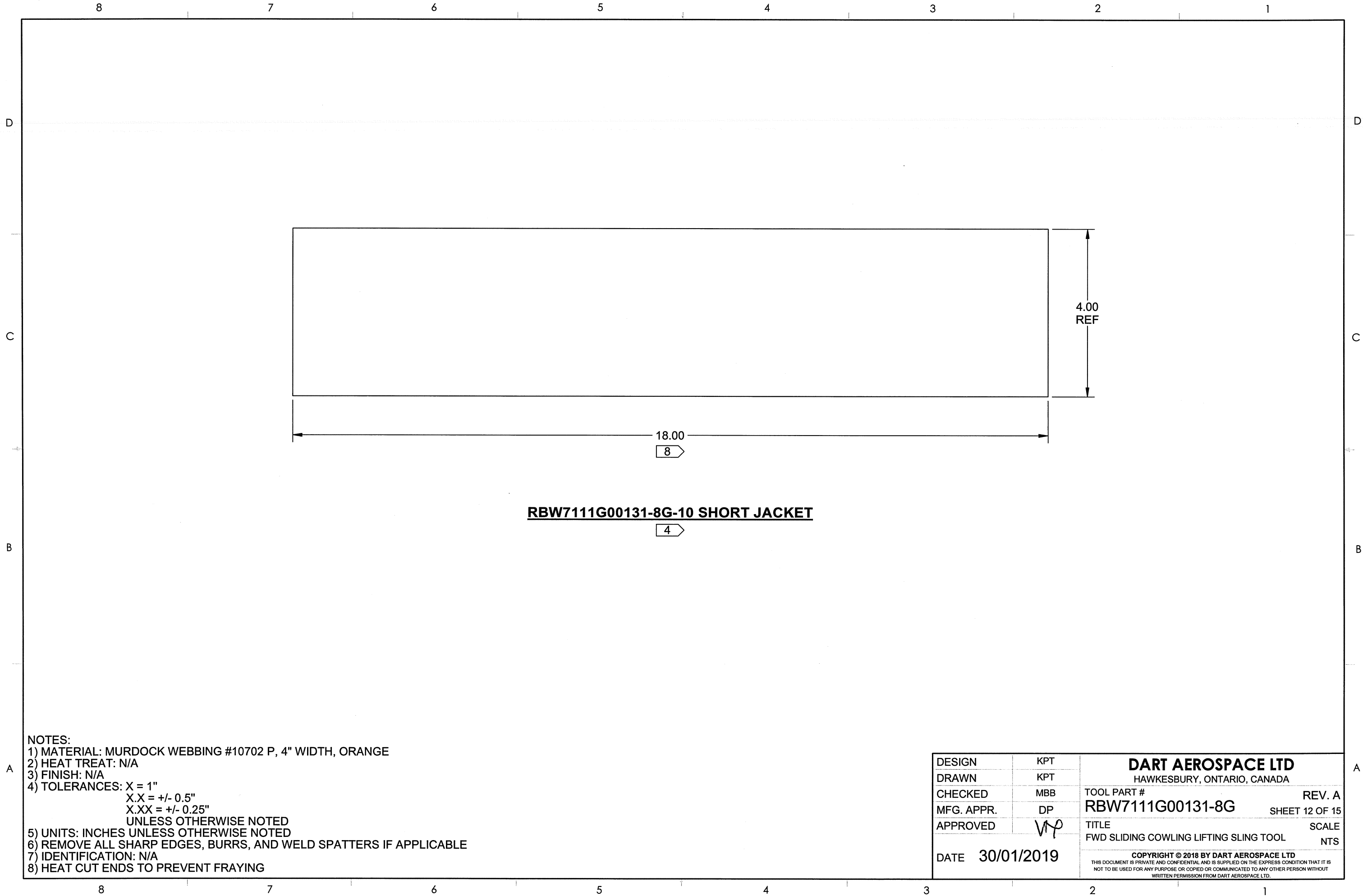


RBW7111G00131-8G-9 SHORT JACKET ASSEMBLY

4 8 9 10 11

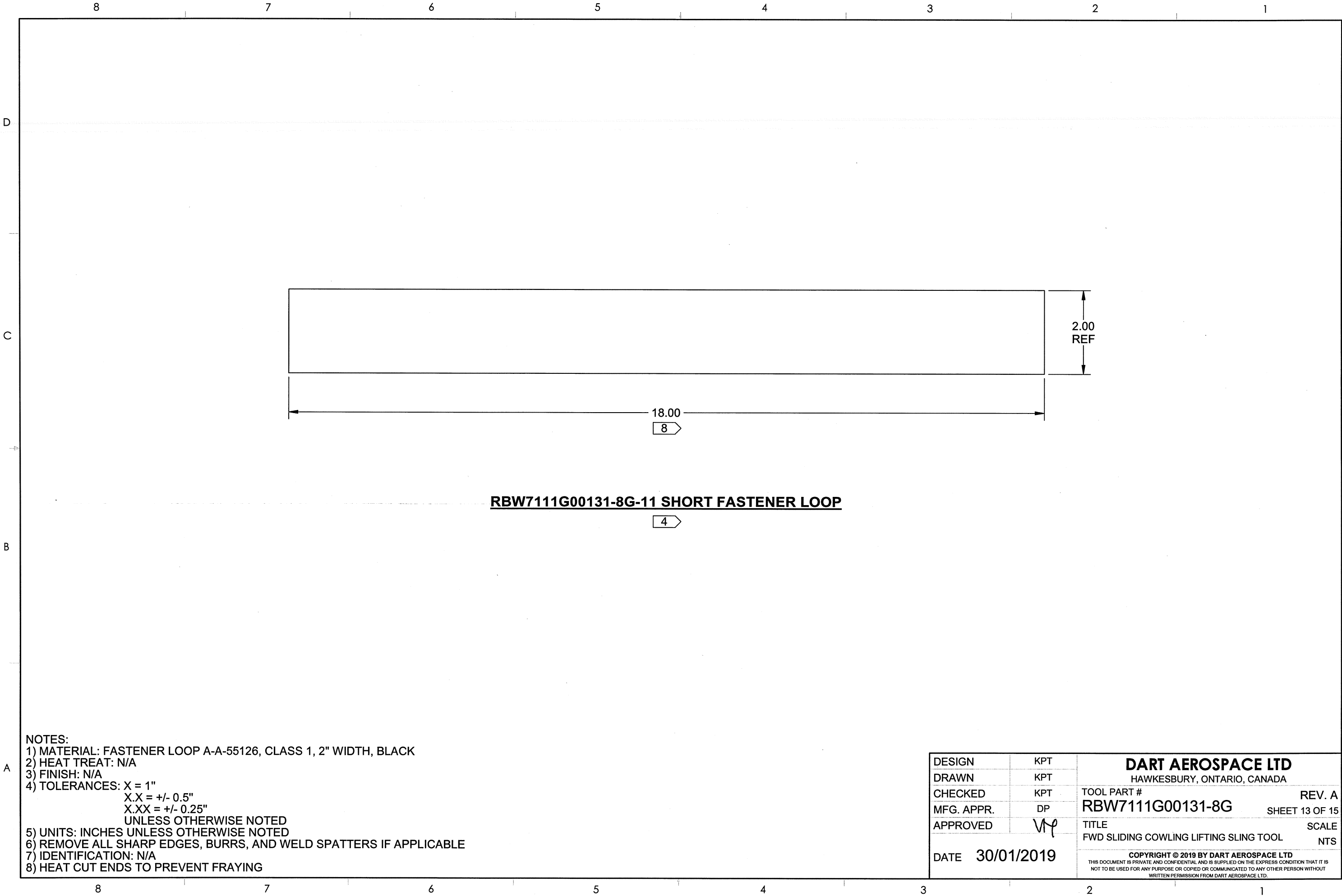
- NOTES:
- 1) MATERIAL: N/A
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X = +/- 1"
X.X = +/- 0.5"
X.XX = +/- 0.25"
UNLESS OTHERWISE NOTED
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) REMOVE ALL SHARP EDGES, BURRS, AND WELD SPATTERS IF APPLICABLE
 - 7) IDENTIFICATION: N/A
 - 8) SEW ITEMS TOGETHER AS SHOWN
 - 9) STITCHING TO BE IAW ASTM D6193, TYPE 301, 6-10 STITCHES PER INCH, MINIMUM (1/2IN) BACKSTITCH, (1/2IN) SEAM ALLOWANCE, (1/2IN) TURNBACKS WHERE SHOWN, (1/8IN) FROM EDGE, ADDITIONAL ROWS OF SEWING ARE ACCEPTABLE TO ASSIST IN ASSEMBLY
 - 10) PHANTOM LINES REPRESENT STITCHING
 - 11) FASTENER LOOP/HOOK MUST BE ALIGNED WITH END OF JACKET BEFORE SEWING

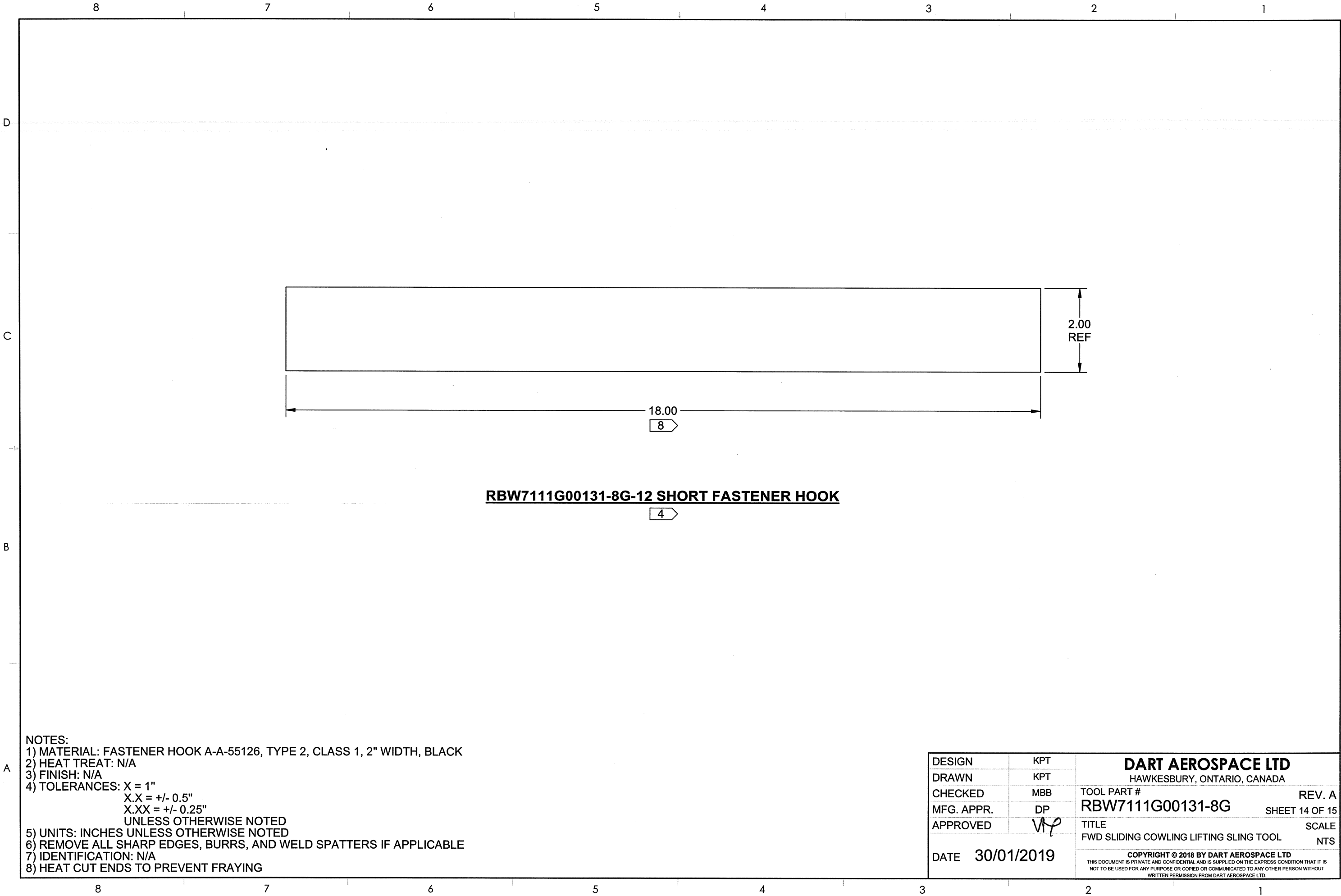
DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	MBB	TOOL PART #	REV. A
MFG. APPR.	DP	RBW7111G00131-8G	SHEET 11 OF 15
APPROVED	VY	TITLE	SCALE
DATE 30/01/2019		FWD SLIDING COWLING LIFTING SLING TOOL	NTS
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NOTES:
1) MATERIAL: MURDOCK WEBBING #10702 P, 4" WIDTH, ORANGE
2) HEAT TREAT: N/A
3) FINISH: N/A
4) TOLERANCES: X = 1"
 X.X = +/- 0.5"
 X.XX = +/- 0.25"
 UNLESS OTHERWISE NOTED
5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) REMOVE ALL SHARP EDGES, BURRS, AND WELD SPATTERS IF APPLICABLE
7) IDENTIFICATION: N/A
8) HEAT CUT ENDS TO PREVENT FRAYING

DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	MBB	TOOL PART #	REV. A
MFG. APPR.	DP	RBW7111G00131-8G	SHEET 12 OF 15
APPROVED	<i>VP</i>	TITLE	SCALE
DATE 30/01/2019		FWD SLIDING COWLING LIFTING SLING TOOL	NTS
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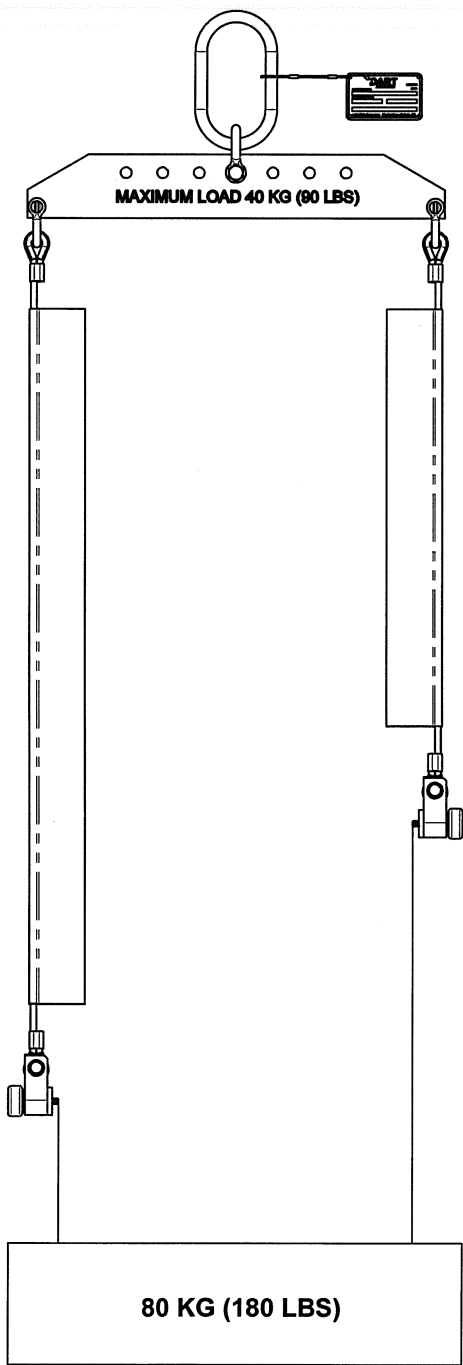


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FIRST ARTICLE WEIGHT TEST


1. AFTER INSPECTION, PLACE SLING ASSEMBLY ON AN OVERHEAD LIFTING DEVICE. ATTACH SLING TO AN APPROPRIATE TEST WEIGHT TEST WEIGHT OF 80KG / 180 LBS.
2. LIFT WEIGHT FOR AT LEAST 5 MINUTES, CONTINUALLY CHECKING FOR CRACKS, DEFLECTION, DISTORTION OR DAMAGED/FRAYED STRAPS.
3. REMOVE WEIGHT AND RE-INSPECT SLING, CHECKING FOR STRESS CRACKS, BENDING, DISTORTIONS OR DAMAGED/FRAYED STRAPS.

INSPECTOR: _____

TESTER: _____

S/N: _____

DATE: _____

DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	MBB	TOOL PART #	REV. A
MFG. APPR.	DP	RBW7111G00131-8G	SHEET 15 OF 15
APPROVED		TITLE	SCALE
DATE 30/01/2019		FWD SLIDING COWLING LIFTING SLING TOOL	NTS
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